Index of Claims

| App | licati | ion/C | ontrol | No. |
|-----|--------|-------|--------|-----|
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10/659,234

Examiner

Manjunath N. Rao, Ph.D.

Applicant(s)/Patent under Reexamination

MUELLER ET AL.

Art Unit

1652

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   | Postricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
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| Clair         | n        |                  |                   | Date               |                                   |  | Cla                    | im       |             |        | [            | Date            |          |                    |                |  | laim       |  |                 |           |          | Date     | •        |          | _                  |     |
|---------------|----------|------------------|-------------------|--------------------|-----------------------------------|--|------------------------|----------|-------------|--------|--------------|-----------------|----------|--------------------|----------------|--|------------|--|-----------------|-----------|----------|----------|----------|----------|--------------------|-----|
|               | <u>~</u> |                  |                   |                    |                                   |  |                        | च        |             |        |              |                 |          |                    |                | 1 _  | <u> </u>   |  |                 |           |          |          | ı        |          |                    |     |
| Final         | Original | 6000             |                   |                    |                                   | 1 1  | Final                  | Original |             |        |              |                 | - 1      |                    |                | Final  | Original   |  |                 |           |          |          | ŀ        |          | ł                  |     |
| Œ             | Š        | 56               |                   |                    | ł                                 |  | 证                      | ē        |             |        |              |                 |          | 11                 |                | ΙŒ   | Ö          |  |                 |           |          |          | ŀ        |          |                    |     |
| $\sqcup$      |          |                  | $\perp \perp$     | $\perp \perp$      |                                   | <b></b>  |                        |          | _           | -      | <del> </del> |                 |          | 11                 | _              |  | L          | _  |                 | Ш         | $\Box$   | Ш        |          | _        | _                  |     |
| $\overline{}$ | 1        | 4                |                   |                    | _ _                               | $oxed{oldsymbol{\sqcup}}$                        |                        | 51       |             | -      | ╄            | $\vdash$        |          | -                  |                |  | 101        | ┡  |                 |           | _        |          | _        |          | -                  |     |
|               |          | 0                | +                 |                    |                                   | ₩.   |                        | 52       |             |        | ┼            | $\vdash$        | -        | +                  |                | <u> </u>   | 102        | -  | $\sqcup$        | Н         |          | _        | $\dashv$ | $\dashv$ | $\dashv$           | _   |
|               | 3        | ٥                | ++                | +                  | -                                 | <del>├                                    </del> |                        | 53       |             | - -    | ┼            | $\vdash$        | - -      | +                  |                |  | 103        | <u> </u>   | Н               | -         |          | _        | $\dashv$ | +        | -                  | _   |
|               | <u> </u> | <del>1</del>     | ++                | +                  | _                                 | ├┼   |                        | 54<br>55 |             |        | ┼-           | $\vdash$        | +        | +                  |                |  | 104<br>105 | ├  | $\vdash$        | -         |          |          | $\dashv$ | -        | $\dashv$           |     |
|               | 5<br>6   | <del>-    </del> | +                 | +                  | -                                 | ╁┼   |                        | 56       | -           |        | ┼            | $\vdash$        | +        | +                  | -              | <u> </u>   | 105        | $\vdash$   | $\vdash$        |           |          |          | $\dashv$ | -        | $\dashv$           |     |
|               |          |                  | ++                | +                  | _                                 | $\vdash$   |                        | 57       | $\dashv$    | +      | $\vdash$     | $\vdash$        | +        | +                  |                |  | 107        | $\vdash$   | Н               | $\vdash$  |          | $\dashv$ | $\dashv$ | $\dashv$ | +                  | _   |
|               | 8        | ń.               | ++                | +                  |                                   | <del>   -</del>                                  | -                      | 58       | -+          | +      | ╁╾           | $\vdash$        | $\dashv$ | +                  |                | -  | 108        | ┢  | Н               | $\vdash$  |          |          | $\dashv$ | $\dashv$ | $\dashv$           |     |
|               | 9        | ╫                | ++                | ++                 |                                   | <del>                                     </del> | H                      | 59       | +           | +      | +            | -               | +        | +                  |                |  | 109        | $\vdash$   | Н               | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$           | _   |
|               | 10       | +-               | +-+               | ++                 | $\top$                            | $\vdash$   | $\vdash$               | 60       |             | +      | ╁╌           |                 | +        | ++                 |                |  | 110        | ╁╾   | $\vdash$        | $\vdash$  | $\vdash$ | $\vdash$ |          | $\dashv$ | $\dashv$           |     |
|               |          | 7                | ++                | +                  | $\dashv$                          | $\vdash$   |                        | 61       | $\dashv$    | +      | +-           |                 | +        | +                  | <b>-</b>  !!!! | <del> </del>                                     | 111        | 1  | Н               | $\vdash$  | $\vdash$ | $\dashv$ | $\vdash$ | 十        | $\dashv$           | -   |
|               | 12       | ᅡ                | 1                 | +                  | $\top$                            | $\vdash$   | $\vdash \vdash \vdash$ | 62       | _           | +      | $\vdash$     |                 | +        | ++                 | -              | $\vdash$   | 112        | $\vdash$   | $\vdash \vdash$ | $\vdash$  | $\vdash$ | $\dashv$ | +        | $\dashv$ | 十                  |     |
|               | 13       | 11               | 1-                | ++                 | $\top$                            |  | $\Box$                 | 63       | $\dashv$    | +      | T            | $\vdash$        | $\top$   | 11                 | 7              | 一  | 113        | $\vdash$   | Н               | $\vdash$  | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$           |     |
|               | 14       | 11               | 11                | 11                 |                                   |  |                        | 64       | _           | 十      | $\top$       |                 | 1        | 11                 | 7              |  | 114        | Г  | П               |           | $\neg$   | $\Box$   | $\dashv$ | $\dashv$ | 寸                  |     |
|               | 15       | ォ                |                   | 11                 | $\top$                            |  |                        | 65       |             | $\top$ | T            | $\Box$          | 1        | $\dagger \dagger$  | 7              |  | 115        |  | П               | П         |          | П        |          | $\dashv$ | $\dashv$           |     |
|               | 16       | 0                |                   |                    |                                   |  |                        | 66       |             |        | Γ            |                 |          |                    |                |  | 116        |  |                 |           |          |          |          | $\Box$   |                    |     |
|               | 17       |                  |                   |                    |                                   |  |                        | 67       |             |        |              |                 |          |                    |                |  | 117        |  |                 |           |          |          |          |          | $\Box$             |     |
| -             | 18       |                  |                   |                    |                                   |  |                        | 68       |             | I      |              |                 |          |                    |                |  | 118        | L  |                 |           |          |          |          |          | $\Box$             |     |
|               |          | D                |                   |                    |                                   |  |                        | 69       |             |        |              |                 |          |                    |                |  | 119        |  |                 |           |          |          |          |          | П                  |     |
|               | 20       | 7                |                   |                    |                                   |  |                        | 70       |             |        |              |                 |          |                    |                |  | 120        |  |                 |           |          |          |          |          | $\Box$             |     |
|               |          | =_               | $\perp \perp$     | $\perp \perp$      |                                   |  |                        | 71       |             |        |              | Ш               | $\perp$  | $\perp \perp$      | _              |  | 121        | L  | Ш               |           |          |          |          | $\perp$  | ┙                  | _   |
|               | 22       | 4                |                   |                    |                                   |  |                        | 72       | [_          |        |              |                 |          |                    | _              | _  | 122        | <u> </u>   |                 |           |          |          |          | _        |                    |     |
|               | 23       |                  | 11.               | 11                 |                                   |  |                        | 73       |             | 4      | Ш            | $\sqcup \bot$   |          | $\bot \bot$        | _              | L  | 123        | L  | Ш               |           |          |          |          | _        | _                  | _   |
|               |          |                  | $\bot$            | $\perp \perp$      |                                   | $\vdash \vdash$                                  |                        | 74       | _           |        | ↓_           | $\sqcup$        |          | $\perp$            | 4              | L_   | 124        | <u> </u>   | Ш               | _         | $\dashv$ | _        |          | _        | 4                  | _   |
|               | 25       | 4                | <b>↓</b> _↓       |                    | _                                 | <b> </b>   |                        | 75       |             | +      | $\vdash$     | $\vdash$        |          | +                  | _              | <u> </u>   | 125        |  | $\sqcup$        | $\Box$    |          | _        | _        | _        | _                  | 4   |
|               |          | 2                | ++                |                    |                                   | <del>                                     </del> |                        | 76       |             | +      | ╄            | -               | +        | +                  | -              | <u> </u>   | 126        | <u> </u>   | Н               |           |          |          | _        | -        | -                  | _   |
|               |          | =                | ++                | ++                 | +                                 | $\vdash \vdash$                                  |                        | 77       |             |        | ┼            | $\vdash \vdash$ | -        | +                  | ::::           | ├—   | 127        | <del> </del>                                     | $\vdash \vdash$ | _         | _        |          | _        |          | -                  |     |
|               | 28       | Й                | ++-               | +-+                | +                                 | <del>  </del>                                    |                        | 78       |             | +      | ╁╌           | ⊢⊹              |          | ++                 |                | <u> </u>   | 128        | ┝  | $\vdash\vdash$  | $\dashv$  |          |          | $\dashv$ | $\dashv$ | +                  | -   |
|               | 29<br>30 | ₩                |                   | ++                 | +-                                | <del>  </del>                                    |                        | 79<br>80 | $\dashv$    | +      | ╀            | ┝┵              |          | +                  |                | ├—   | 129<br>130 | H  | $\vdash$        | $\dashv$  |          |          | -        | $\dashv$ | +                  | _   |
|               | 31       | ╫                | ╁╌┼╴              | ++                 | -                                 | ├─   | $\vdash$               | 81       | $\dashv$    | +-     | ╁╾           | $\vdash$        | +        | ╁┷┼                |                | _  | 131        | ├  | $\vdash$        | $\dashv$  |          |          | -        | $\dashv$ | +                  | _   |
|               | 32       | ╫                | ╂╌┼╌              | +-+                |                                   | <del>                                     </del> | $\vdash$               | 82       |             |        | $\vdash$     | $\vdash \vdash$ | $\dashv$ | +                  | -              | ├  | 132        | ┢  | Н               | $\dashv$  |          | -        | $\dashv$ | -        | $\dashv$           | _   |
|               | 33       | ₩                | 1 +               | ++                 | +                                 | <del>  </del> -                                  |                        | 83       | $\dashv$    | -      | +            | $\vdash$        | +        | ++                 | -              | $\vdash$   | 133        | ├  | $\vdash$        | $\dashv$  |          |          |          | $\dashv$ | $\dashv$           |     |
|               | 34       | ╫                | ++                | ++                 | +                                 | $\vdash$   | $\vdash \vdash$        | 84       | -           | +      | $\vdash$     | $\vdash$        | $\dashv$ | ++                 | -              | $\vdash$   | 134        | $\vdash$   | $\vdash \vdash$ |           |          |          | $\dashv$ | $\dashv$ | +                  | -   |
|               | 35       | +-               | +-+-              | ++                 | +                                 | $\vdash$   | H                      | 85       | +           | +-     | $\vdash$     | $\vdash$        | $\dashv$ | ++                 | -              | <del>                                     </del> | 135        | $\vdash$   | $\vdash$        | $\vdash$  |          |          | -        | $\dashv$ | +                  | _   |
|               |          | 3                | ++                | ++                 | $\top$                            |  |                        | 86       | $\dashv$    | +      | $\vdash$     | $\vdash$        | +        | ++                 | -              | H  | 136        | <del>                                     </del> | $\vdash$        |           | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$           | _   |
|               |          | 2                | +                 | +                  | $\top$                            |  |                        | 87       | $\dashv$    | $\top$ | T            |                 | +        | ++                 | اااا           | $\vdash$   | 137        | 1  | Н               | $\dashv$  |          |          |          | $\dashv$ | $\dashv$           |     |
|               |          | o                | +                 | 11                 | $\top$                            |  |                        | 88       | 十           | $\top$ | $\top$       | $\vdash$        | $\top$   | $\dagger \dagger$  | 7              | $\vdash$   | 138        |  | $\Box$          | $\exists$ |          |          | -        | 十        | 一                  |     |
|               | 39       | オ                | $\dagger \dagger$ | 11                 | $\top$                            |  |                        | 89       | 十           | $\top$ | T            | $\sqcap$        | T        | 11                 |                |  | 139        | T  | П               | $\neg$    |          |          |          | $\dashv$ | $\dashv$           |     |
|               | 40 h     | 7                |                   |                    |                                   |  |                        | 90       |             |        |              |                 | 1        | $\top$             | 7              |  | 140        |  | П               |           |          |          |          | $\neg$   | 寸                  |     |
| 4             | 41       | N                | $\Box \Box$       |                    |                                   |  |                        | 91       | $\Box \top$ |        |              |                 |          | $\Box$             | <b>-</b>       |  | 141        |  |                 |           |          |          |          |          | $\dashv$           |     |
| 4             | 42       | 7                |                   |                    |                                   |  |                        | 92       |             |        |              |                 | Ι        | $\Box$             |                |  | 142        |  |                 |           |          |          |          |          | 丁                  |     |
|               | 43       | <u> </u>         |                   |                    |                                   |  |                        | 93       |             |        |              |                 |          |                    |                |  | 143        |  |                 |           |          |          |          |          | $\Box$             |     |
|               | 44       | 1                |                   | $\perp \downarrow$ | $\perp$                           |  |                        | 94       | $\perp$     |        | $\Box$       | Ш               |          |                    |                |  | 144        |  |                 |           |          |          |          | $\Box$   | $oxed{oxed}$       |     |
|               | 45       |                  | $\perp \perp$     | $\perp \perp$      | $\perp$                           |  |                        | 95       |             |        | $oxed{\Box}$ |                 |          | $oxed{\Box}$       | _              |  | 145        |  | oxdot           |           |          |          |          | $\Box$   | $\Box$             |     |
| 4             | 46       | _ _              | $\bot \bot$       | $\perp \perp$      |                                   | ЩЦ   |                        | 96       |             |        | $\sqcup$     | $\Box$          |          |                    | _              | <u> </u>   | 146        |  |                 |           |          |          |          |          | $oldsymbol{\perp}$ |     |
|               | 47       |                  | $\perp \perp$     | $\perp \perp$      | $\perp$                           |  |                        | 97       | $\perp$     |        | $\sqcup$     | $\Box$          | _        | $\prod$            | 4              |  | 147        |  |                 |           | $\Box$   |          |          | $\Box$   | $\bot$             |     |
| 14            | 48       |                  | $\sqcup \bot$     | $\perp \perp$      | $\perp \!\!\! \perp \!\!\! \perp$ | $\sqcup \bot$                                    |                        | 98       | _           | 1      | Ш            | $\sqcup \bot$   | 1        | $\perp \downarrow$ | _              |  | 148        | سَا  | $\Box$          |           |          |          |          |          | $\Box$             |     |
| 4             | 19       | $\perp$          | 1-1-              | $\bot \bot$        | $oldsymbol{\perp}$                | $\sqcup \sqcup$                                  | $\sqcup$               | 99       | $\perp$     |        | Ц            | $\sqcup$        |          | $\perp \downarrow$ | _              |  | 149        | L  | Ш               | $\Box$    | _]       | _[       | _        |          | $\perp$            |     |
| 5             | 50       |                  |                   | $\perp \perp$      |                                   |  |                        | 100      |             |        |              |                 | . 1      | $\perp \perp$      | :::::          |  | 150        |  |                 | I         | I        | I        | ſ        |          | - [                | - 1 |